#### **REMARKS**

Entry of the foregoing amendment, which introduces into the specification material presented in the figures as originally filed, is requested.

Attached hereto is a marked-up version of the changes made to the specification by the current amendment. The attached page/s is/are captioned "Version With Markings To Show Changes Made."

Respectfully submitted,

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 $\mathbf{g}_{\mathbf{v}}$ .

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#### VERSION WITH MARKINGS TO SHOW CHANGES MADE

#### IN THE SPECIFICATION

Please replace the paragraph beginning at page 3, line 1, with the following rewritten paragraph:

Figures 1A-1H show the structures of certain generic and specific definitions of compounds suitable for use in the present invention. In Fig. 1A

$$R_1$$
 is a bond,  $A_1$ ,  $A_2$ ,  $A_3$ ,  $A_4$ ,  $A_4$ ,  $A_4$ ,  $A_4$ ,  $A_5$ ,  $A_4$ ,  $A_5$ 

 $R_2$  is a bond,  $-(CY'_2)_n^-$ ,  $-(CY'_2-CY'=CY')_n^-$ ,  $-(CY'_2-CY'_2$ 

 $R_3$  is -Y", -OH, -NH<sub>2</sub>, -N<sup>+</sup>(Y")<sub>3</sub>, -COOH, -COO<sup>-</sup>, -SO<sub>3</sub>H, -SO<sub>3</sub><sup>-</sup>, -C-PO<sub>3</sub>H<sub>2</sub> or -C-PO<sub>3</sub>H<sup>-</sup>, wherein Y" is an alkyl group.

## In Fig. 1B

 $C_{CR'',3}^{CR'',3}$ , wherein Y'' is an alkyl group, and wherein indicates bonding to  $R_2$ ' at any position and indicates bonding to  $R_2$ ' and the  $R_1$ ' phenyl substituent at any position;

each  $R_2$ ' is independently a bond, or  $-(CH_2)_n$ wherein n is 1-4,

each R<sub>2</sub>' is independently -Y", -Y'", -H, -OH, -OY", -NO<sub>2</sub>, -CN, -NH<sub>2</sub>, -COOH, -COY", -COO<sup>-</sup>, or a heterocyclic group, wherein Y" is as defined above and Y'" is a primary, secondary, tertiary or quaternary amine.

## In Fig. 1C

R<sub>1</sub> through R<sub>8</sub> are, independently, -H, alkyl, 2-hydroxyalkyl, methoxyalkyl, halogen, nitro, cyano, trialkylammonium, formyl, amide of carboxylic acid, alkyl ester of carboxylic acid, carboxylic acid, glucuronyl or glyceryl ester of carboxylic acid, 1,2-dihydroxyalkyl, acetyl, vinyl, glycosyl or, taurate, and

β, γ and δ are, independently, -H, acetyl, glycyl, benzoate, phenylsulfonate, 2-, or 3-, or 4-N-alkyl-pyridyl, nitrophenyl, halophenyl, methoxyalkyl, halogen, nitro, cyano, trialkylammonium, formyl, amide of carboxylic acid.

With reference to Fig. 1C, mimetics of the invention can be of Formula I or Formula II, or dimeric forms thereof., an example of a dimeric form being shown in Fig. 1D. <u>In</u> Fig. 1E

# $R_1$ and $R_3$ are the same and are:

# $R_2$ and $R_4$ are the same and are:

Y is halogen or  $-CO_2X$ , each X is the same or different and is an alkyl and each  $R_5$  is the same or different (preferably the same) and is H or alkyl.

### In Fig. 1F

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R<sub>1</sub> and R<sub>3</sub> are, independently:
-CO_2C_{1-4} alkyl; or
-CO<sub>2</sub>(CH<sub>2</sub>)<sub>n</sub>CX<sub>3</sub>, wherein X is halogen and n = 1 to 3;
R<sub>2</sub> is:
-H
-C<sub>1-4</sub>alkyl
 -COOH
 -CO_2C_{1-4} alkyl,
 -CO<sub>2</sub>(CH<sub>2</sub>) _nCX<sub>3</sub>, wherein X is halogen and n = 1 to 3,
 -CON(CH<sub>3</sub>)<sub>2</sub>, or
 -CX<sub>3</sub>, wherein X is halogen; and
 R<sub>4</sub> is:
 -H,
 -C<sub>1-4</sub>alkyl
 -COOH,
 -CO_2C_{1-4} alkyl,
  -CO_2(CH_2)_nCX_3, wherein X is halogen and n = 1 to 3,
  -CON(CH<sub>3</sub>)<sub>2</sub>, or
  -CX<sub>3</sub>, wherein X is halogen.
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In Fig. 1G each R is, independently, a C<sub>1</sub>-C<sub>8</sub> alkyl group, and each P is, independently, an electron withdrawing group or hydrogen.

With reference to Fig. 1H, the SOD activities of certain of the depicted compounds are shown in Table 1 (as measured by the cytochrome C method):

Table 1.

Compound	SOD activity
	(U/mg)
10110	225
10113	10,648
10123	17,061
10143	14,038
10150	14,789
10153	23,467
10158	14,342
CuZn-SOD	2,200